

FORM PTO-1083
MAIL STOP: AMENDMENT
COMMISSIONER FOR PATENTS
P.O. BOX 1450
Alexandria, VA 22313-1450



Docket No.: 567.1009
Date: July 6, 2006

1637/DPW
Jmes

In re application of: Brian Neil ZEILER
Serial No.: 10/539,850
Filed: November 18, 2005
For: **METHODS AND KITS FOR MAKING DOUBLE STRANDED RIBONUCLEIC ACIDS**

Sir:

Transmitted herewith is an **Information Disclosure Statement** (2 pages) in the above-identified application.

☒ Small entity status of this application under 37 C.F.R. 1.9 and 1.27 has been established by a verified statement previously submitted.

☐ A verified statement to establish small entity status under 37 C.F.R. 1.9 and 1.27 is enclosed.

☒ No fee for additional claims is required.

☐ A filing fee for additional claims calculated as shown below, is required:

(Col. 1)		(Col. 2)		SMALL ENTITY		OR	LARGE ENTITY	
FOR:	REMAINING	HIGHEST		RATE	FEE		RATE	FEE
	AFTER	PREVIOUSLY	PRESENT					
	AMENDMENT	PAID FOR	EXTRA					
TOTAL CLAIMS	* Minus 24**	=		x \$ 25	\$		x \$ 50	\$
INDEP. CLAIMS	* Minus 3***	=		x \$ 100	\$		x \$ 200	\$
<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEP. CLAIM				+ \$ 180	\$		+ \$ 360	\$
				TOTAL: \$		OR	TOTAL: \$	

- * If the entry in Co. 1 is less than the entry in Col. 2, write "0" in Col. 3.
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, write "3" in this space.

☒ Also transmitted herewith are:

☐ Petition for extension under 37 C.F.R. 1.136 (in duplicate)

☒ Other: Form PTO-1449 (2 pages) with copies of references listed in the Foreign Patent Documents and Other Prior Art sections thereof, Appendix A and return receipt postcard.

☐ Check(s) in the amount of \$0.00 is/are attached to cover:

☐ Filing fee for additional claims under 37 C.F.R. 1.16

☐ Petition fee for extension under 37 C.F.R. 1.136

☐ Other:

☒ The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 50-0552.

☒ Any filing fee under 37 C.F.R. 1.16 for the presentation of additional claims which are not paid by check submitted herewith.

☒ Any patent application processing fees under 37 C.F.R. 1.17.

☒ Any petition fees for extension under 37 C.F.R. 1.136 which are not paid by check submitted herewith, and it is hereby requested that this be a petition for an automatic extension of time under 37 CFR 1.136.

Stephanie Hsieh, Reg. No. 38,497
DAVIDSON, DAVIDSON & KAPPEL, LLC
485 Seventh Avenue, 14th Floor
New York, New York 10018
(212) 736-1940

I hereby certify that this correspondence and/or documents referred to as attached therein and/or fee are being deposited with the United States Postal Service as "first class mail" in an envelope addressed to Mail Stop: Amendment; Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on July 6, 2006.

DAVIDSON, DAVIDSON & KAPPEL, LLC

BY:
Marina Kroutchkova



567.1009

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re: Application of Brian Neil ZEILER
Serial No.: 10/539,850
Filed: November 18, 2005
Title: **METHODS AND KITS FOR MAKING
DOUBLE STRANDED RIBONUCLEIC
ACIDS**

**INFORMATION DISCLOSURE
STATEMENT UNDER 37 C.F.R. § 1.56**

Mail Stop: Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

July 6, 2006

Sir:

In accordance with the provisions of 37 C.F.R. § 1.97, Applicant hereby makes of record the documents listed on the accompanying Form PTO-1449 (2 sheets) for consideration by the Examiner in connection with the examination of the above-identified patent application.

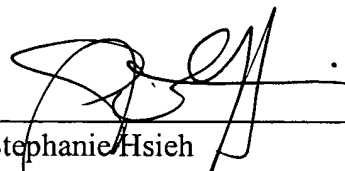
Pursuant to 37 C.F.R. § 1.98 (a), copies of the references listed in the FOREIGN PATENT DOCUMENTS and OTHER PRIOR ART sections of the accompanying Form PTO-1449 are enclosed. If it is determined that any of the listed references are not presently enclosed, the Examiner is requested to contact the undersigned so that a copy can be forwarded.

Applicant respectfully notes that references listed on page 2 of the accompanying Form PTO-1449 were cited in the European Search Report issued in connection with corresponding European patent application No. 03 81 4167. A copy of the Search Report is attached as Appendix A.

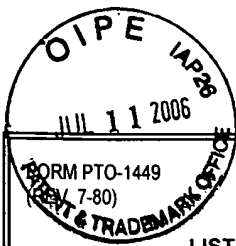
It is respectfully requested that the references cited in the accompanying Form PTO-1449 (2 sheets) be considered and made of record.

This Information Disclosure Statement is filed under 37 C.F.R. § 1.97 (b), before the mailing of a first Office Action on the merits. Accordingly, no fee is believed due. In the event any additional fee is due in connection with the filing of this Information Disclosure Statement, the Commissioner is hereby authorized to charge said deficiency to our Deposit Account No. 50-0552.

Respectfully submitted,
DAVIDSON, DAVIDSON & KAPPEL, LLC

By 
Stephanie Hsieh
Reg. No. 38,497

Davidson, Davidson & Kappel, LLC
485 Seventh Avenue, 14th Floor
New York, New York 10018
(212) 736-1940

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.: 567.1009

SERIAL NO.: 10/539,850

LIST OF PRIOR ART CITED BY APPLICANT

(Use several sheets if necessary)

APPLICANT(S): Brian Neil ZEILER

FILING DATE: November 18, 2005

GROUP: 1642

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA						

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
					YES NO
AB					

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AC	Axelrod VD, Brown E, Priano C, Mills DR, "Coliphage Q β RNA Replication: RNA Catalytic for Single-Strand Release," Virology; 184 (2): 595-608 (Oct 1991)
AD	Grosshans, H and Slack, F.J. , "Micro-RNAs: Small is Plentiful," The Journal of Cell Biology, 156 (1) : 17-21 (2002)
AE	Biebricher CK, Eigen M, Gardiner WC Jr., "Kinetics of RNA Replication," Biochemistry, 22 (10): 2544-59 (1983 May 10)
AF	Brantl S., "Antisense-RNA Regulation and RNA Interference," Biochim Biophys Acta. 3; 1575 (1-3): 15-25 (2002)
AG	Elbashir, S. M., Lendeckel, W. , and Tuschl, T., "RNA Interference is Mediated by 21 and 22-nucleotide RNAs," Genes and Development, 15: 188-200 (2000).
AH	Hutvagner G, Zamore PD., "A MicroRNA in a Multiple-Turnover RNAi Enzyme Complex," Science , Vol. 297, pp.2056-2060 (2002)
AI	Lamontagne B, Larose S, Boulanger J, Elela SA, "The RNase III Family: a Conserved Structure and Expanding Functions in Eukaryotic dsRNA Metabolism," Curr Issues Mol Biol. 3 (4): 71-8 (2001)
AJ	Lindenbach BD, and Rice CM, "RNAi Targeting an Animal Virus: News from the Front," Mol Cell. 9 (5): 925-7 (2002)
AK	Maine, E. M., "RNAi as a Tool for Understanding Germline Development in Caenorhabditis elegans: Uses and Cautions," Dev Biol 239; 177-89 (2001)
AL	Ullu E, Djikeng A, Shi H, and Tschudi C, "RNA Interference: Advances and Questions," Philos Trans R Soc Lond B Biol Sci. 29; 357 (1417): 65-70 (2002)
AM	
AN	
AO	
AP	
AQ	

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-449
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.: 567.1009

SERIAL NO.: 10/539,850

LIST OF PRIOR ART CITED BY APPLICANT

(Use several sheets if necessary)

APPLICANT(S): Brian Neil ZEILER

FILING DATE: November 18, 2005

GROUP: 1642

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	BA	5	6	2	0	8	5	1	04/15/1997	Axelrod et al.			
	BB	5	6	3	7	4	5	9	06/10/1997	Burke et al.			
	BC												
	BD												
	BE												
	BF												
	BG												

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES	NO
	BH	9	4	1	6	1	0	6	07/21/1994	WO				
	BI													
	BJ													
	BK													
	BL													

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	BM	Lizardi P.M. et al.; "Exponential Amplification of Nucleic Acids: New Diagnostics Using DNA Polymerases and RNA Replicases," Trends in Biotechnology, Elsevier Publications, Cambridge, GB, Vol. 9, No. 2, February 1, 1991
	BN	Luo G. Et al.; "De Novo Initiation of RNA Synthesis by the RNA-dependent RNA polymerase (NS5B) of Hepatitis C November 18, 2005V irus," Journal of Virology, The American Society for Microbiology, U.S., vol. 74, no. 2, January 2, 2000
	BO	Sun X. et al.; "De Novo RNA Synthesis Catalyzed by HCV RNA-dependent RNA Polymerase," Biochemical and Biophysical Research Communications, Academic Press Inc., Orlando, FL, US, vol. 268, pages 798-803, February 2000
	BP	
	BQ	
	BR	
	BS	

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.